MT29 Abstracts and Technical Program

Tuesday, 1 July 2025 - Sunday, 6 July 2025

Omni Boston Hotel at the Seaport

Submission Categories (tracks)

A: Magnets for Particle and Nuclear Physics

A01: Superconducting Accelerator Magnets

A02: Resistive Accelerator Magnets

A03: Wigglers and Undulators

A04: Particle Detector Magnets

B: Magnets for Fusion

B01: Superconducting Magnets for Fusion

B02: Superconducting wires and cables for Fusion

B03: Technologies for Fusion: cryogenics, power supplies, joints, other

C: Magnets for High-Field Facilities

C01: Superconducting and Hybrid High-Field Magnets

C02: Resistive and Pulsed High-Field Magnets

D: Magnets for Medical, Biological, and Analytical Applications

D01: Magnets for NMR

D02: Magnets for MRI

D03: Magnets for other Medical and Biological Applications

E: Coils for Power, Energy, Transport, and other Applications

E01: Rotating machinery

E02: Wind, Wave, and Tidal Generators

E03: Energy Storage / SMES, Levitation and Magnetic Bearings

E04: Transformers and Fault Current Limiters

E05: Novel and Other Applications

F: Conductors and Materials for Magnets

F01: Low Tc Wires and Cables

F02: MgB2 Wires and Cables

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F03: HTS Wires and Cables

F04: Joints between Superconductors, current leads, bus bars

F05: Structural and Insulation materials for Magnets. Other Magnet components

G: Generic application technologies: Approaches and Tools

G01: Quench Detection and Protection, Stability of Conductors and Coils

G02: No-insulation coils

G03: Losses in Conductors and Coils, Thermal analysis

G04: Magnetization and Field Quality

G05: Mechanical Behavior and Stress

G06: Design and Analysis Tools, Novel Diagnostic Techniques

G07: Conductor and Coil Measurement/Test Techniques and Facilities

G08: Bulk and permanent magnets

H: Associated Technologies for Magnets

H01: Cryostats and Cryogenics

H02: Power Supplies and Flux Pumps

H03: Other Associated Technologies